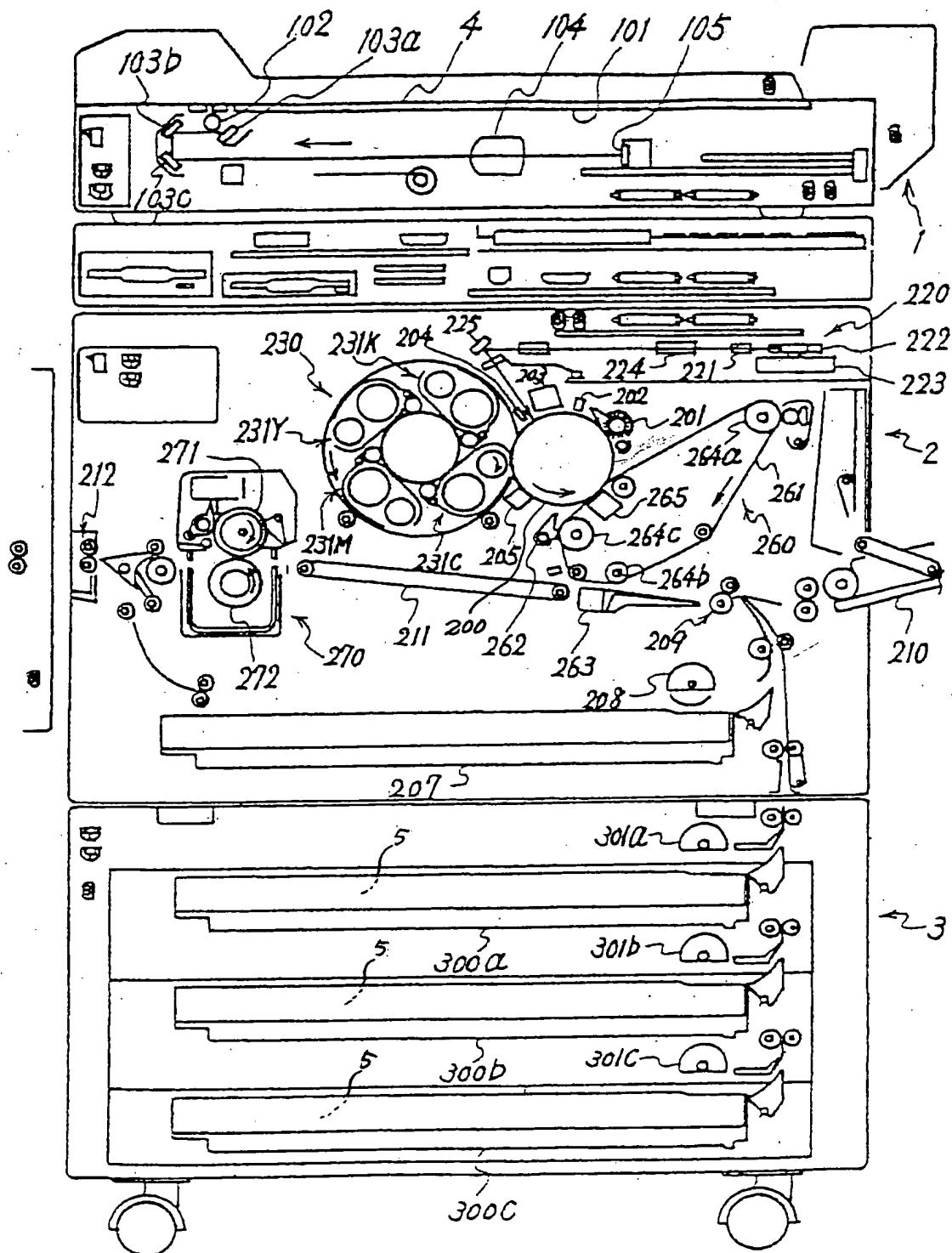


A-01028 FIGS. 1-17

FIG. 1



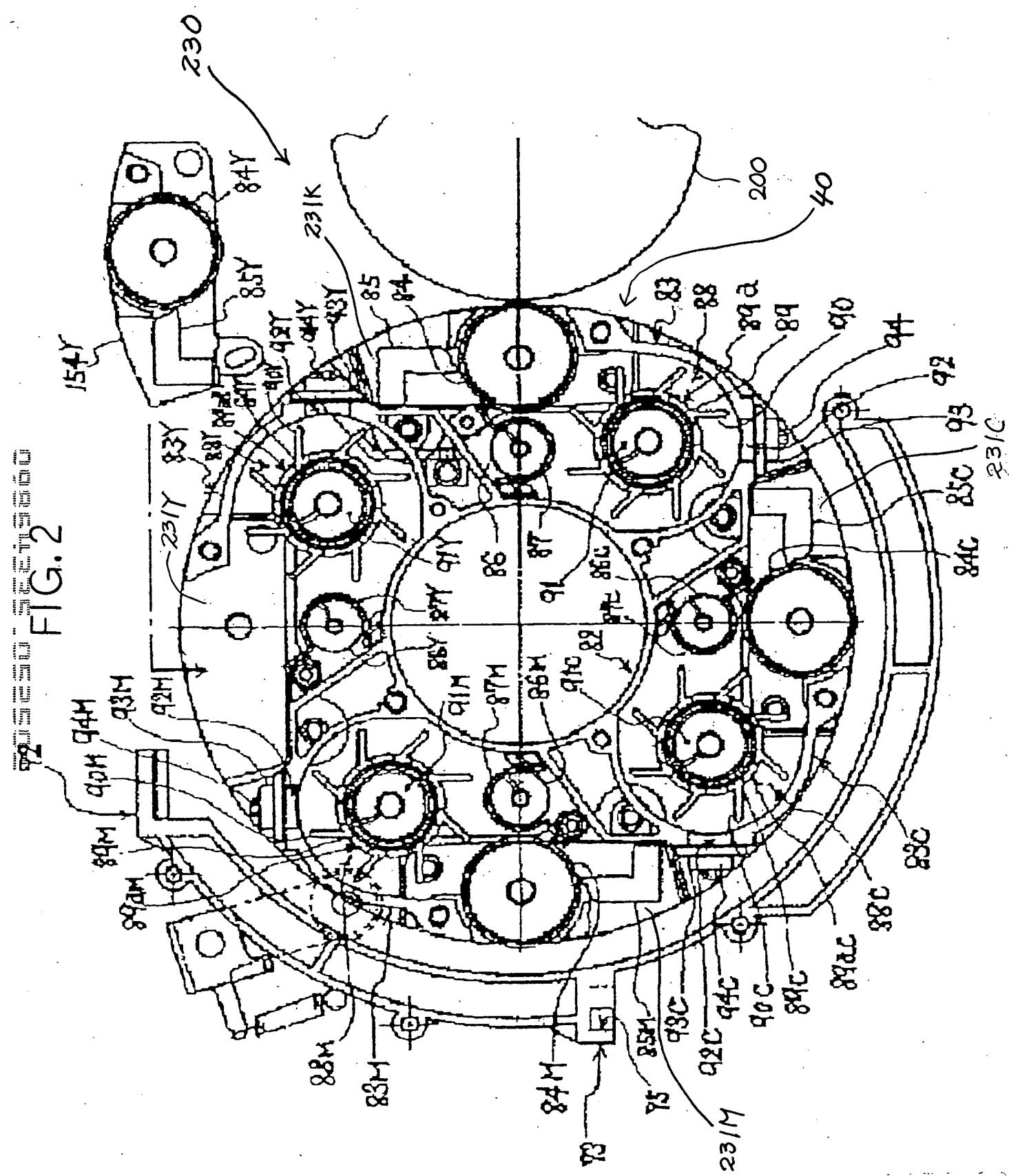


FIG. 3

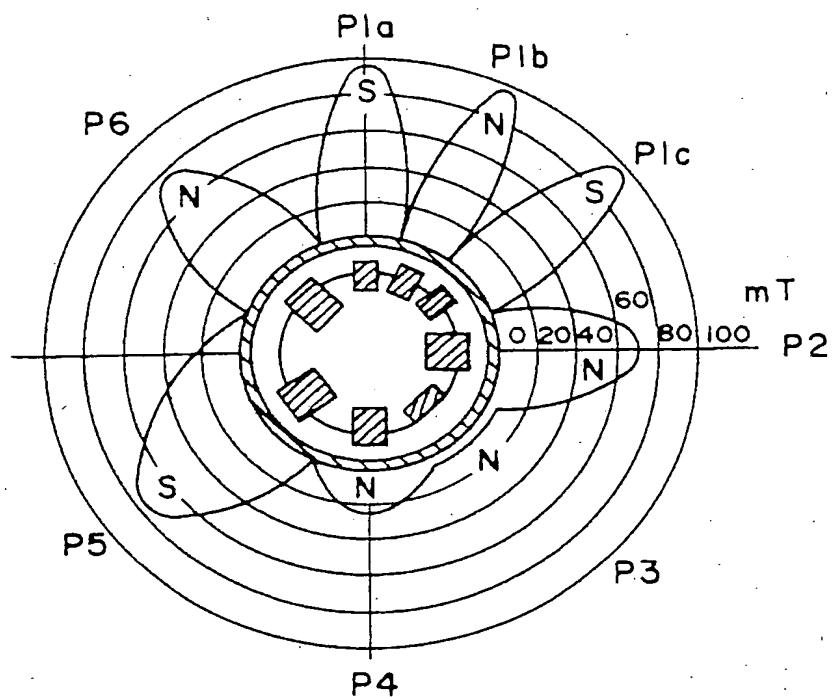


FIG. 4

DO NOT SCALE - USE FOR REFERENCE ONLY

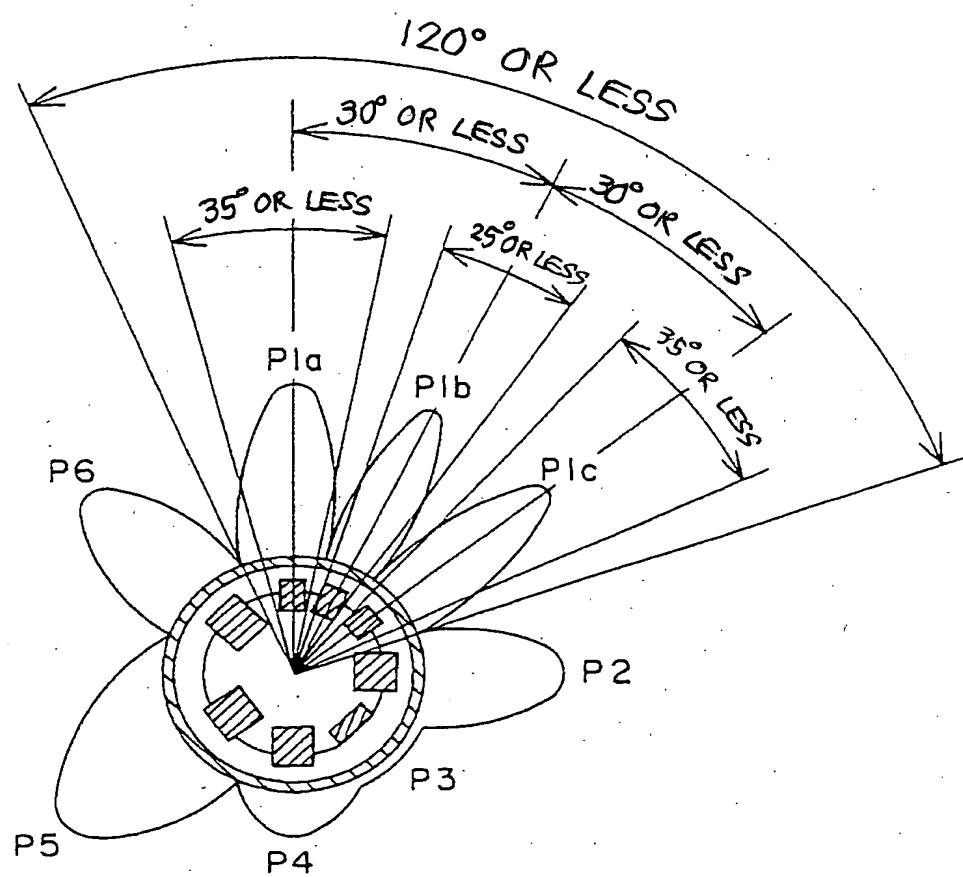


FIG. 5

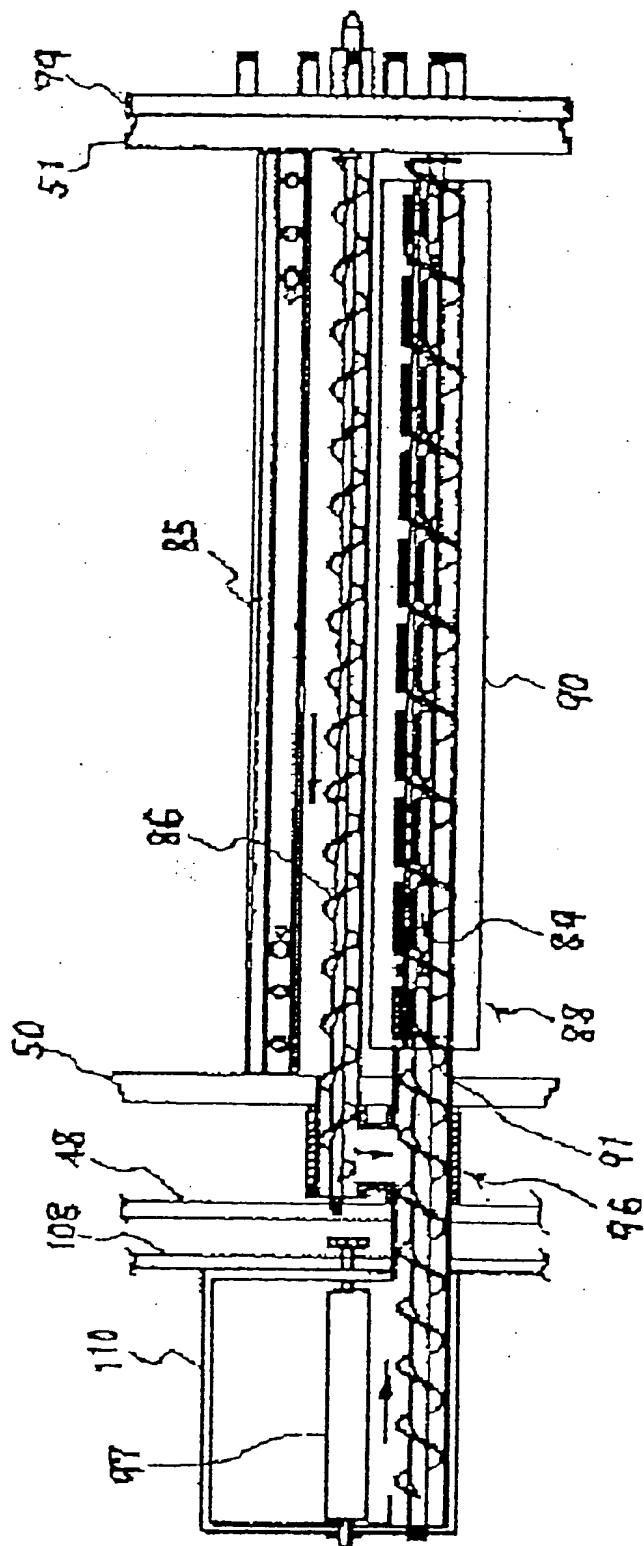


FIG. 6A

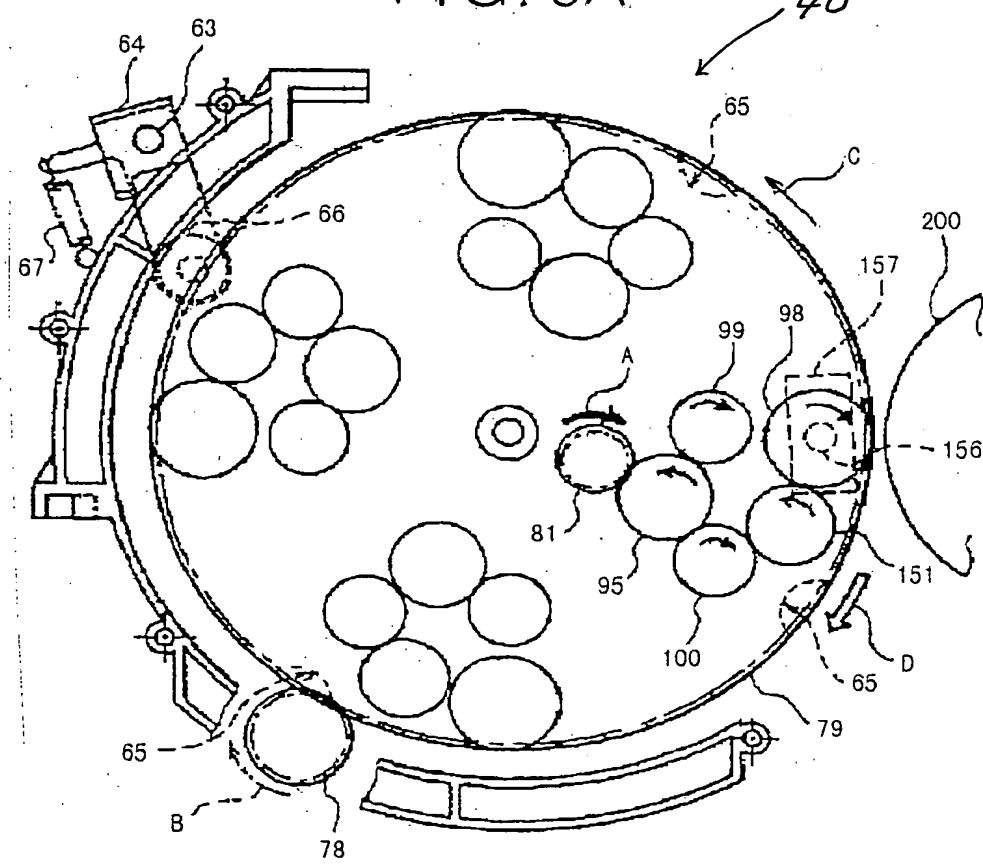


FIG. 6B

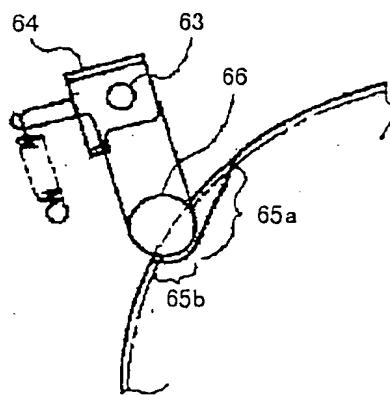


FIG. 6C

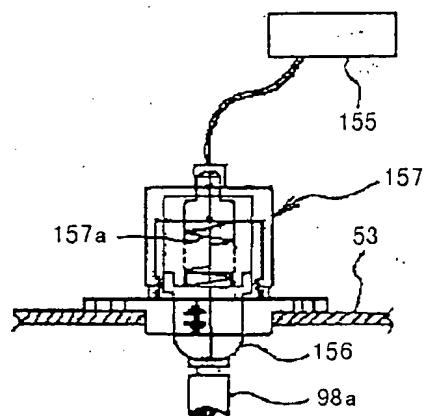


FIG. 7A

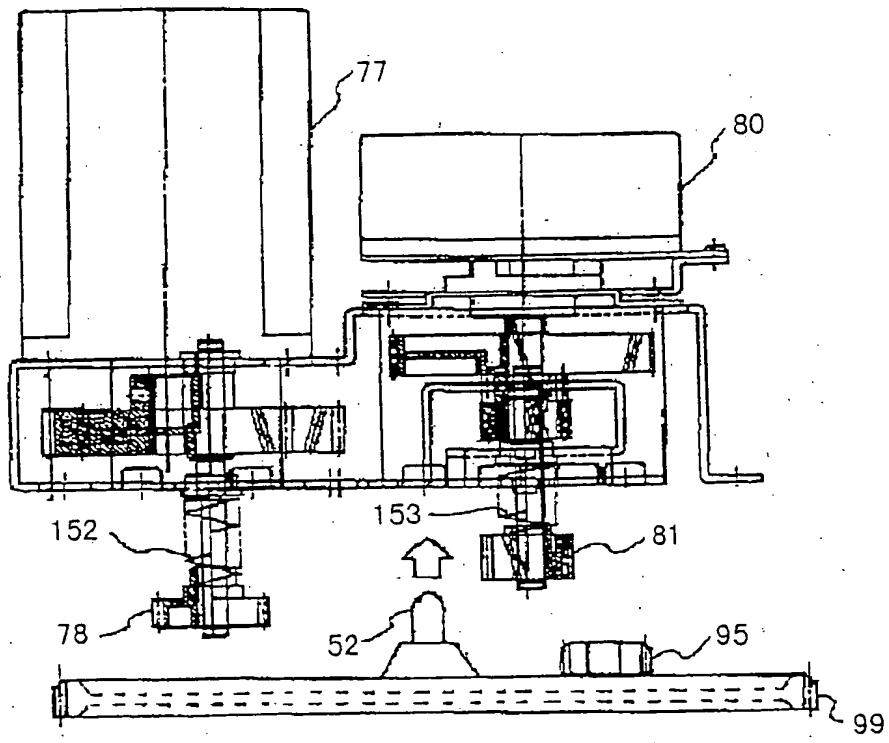


FIG. 7B

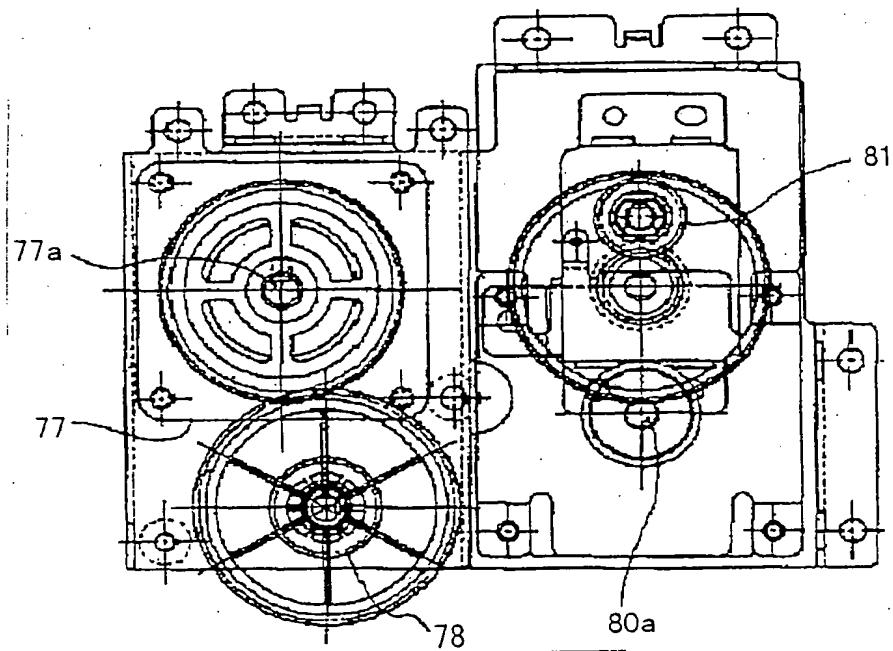


FIG. 8

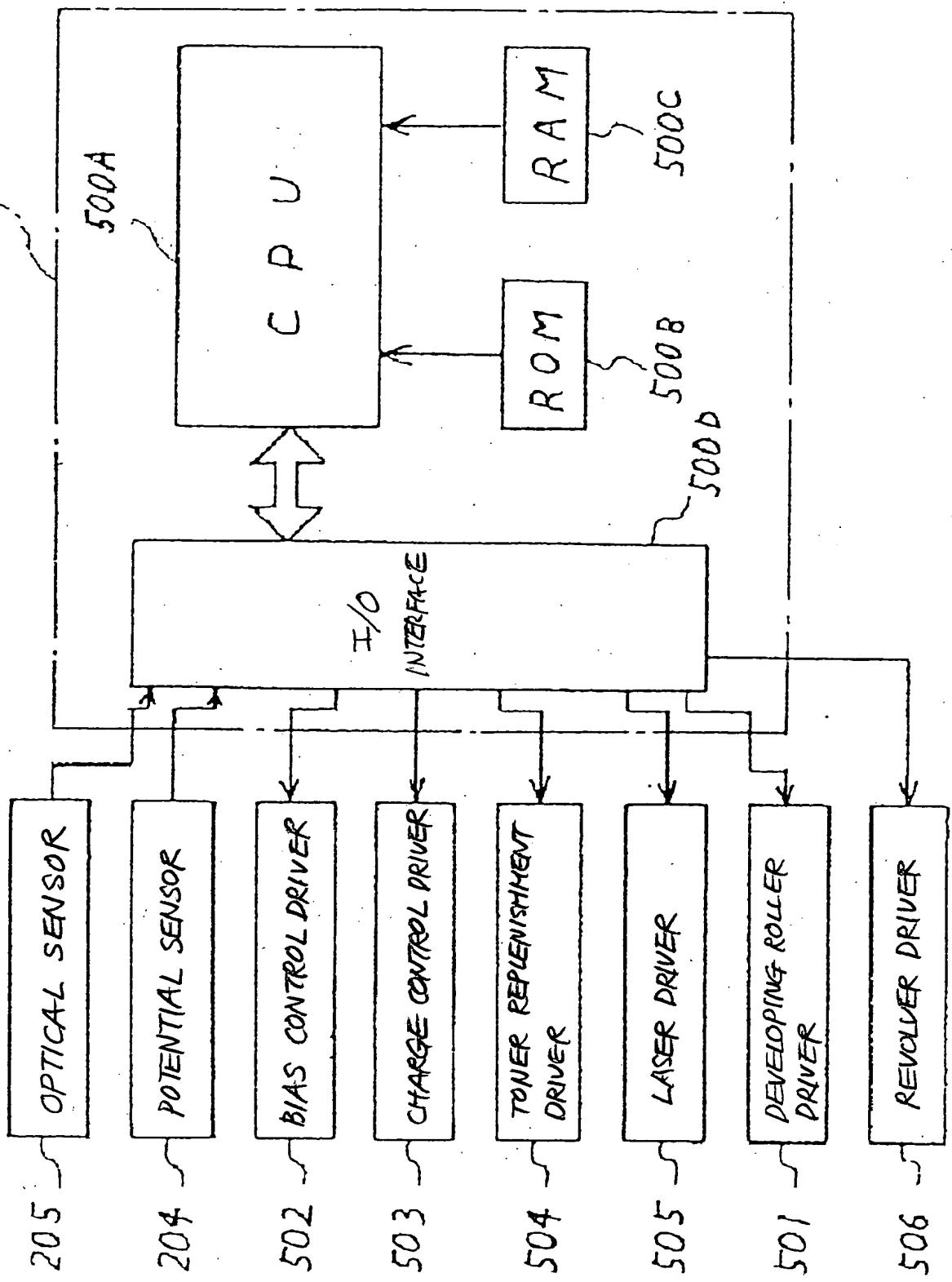
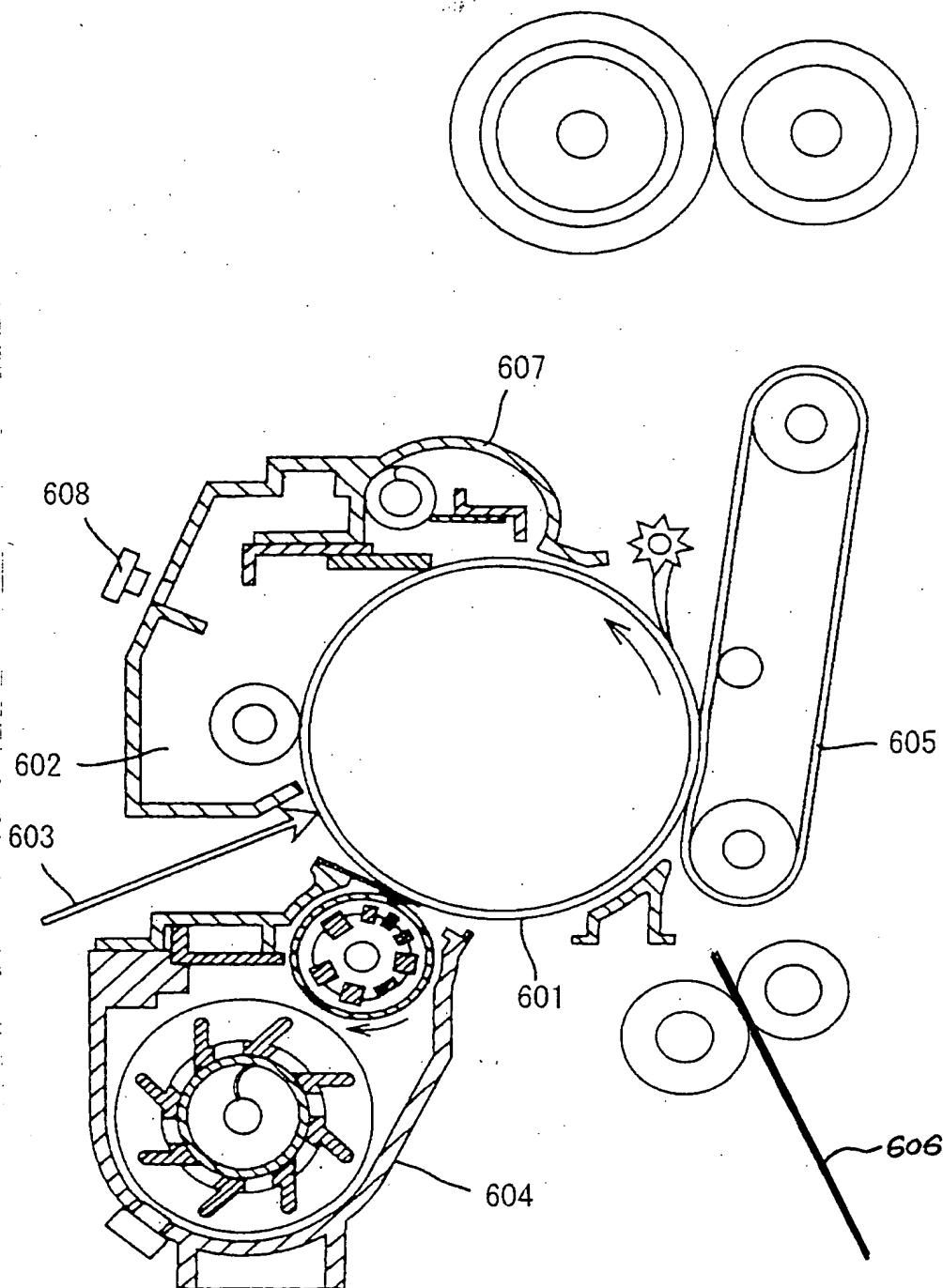
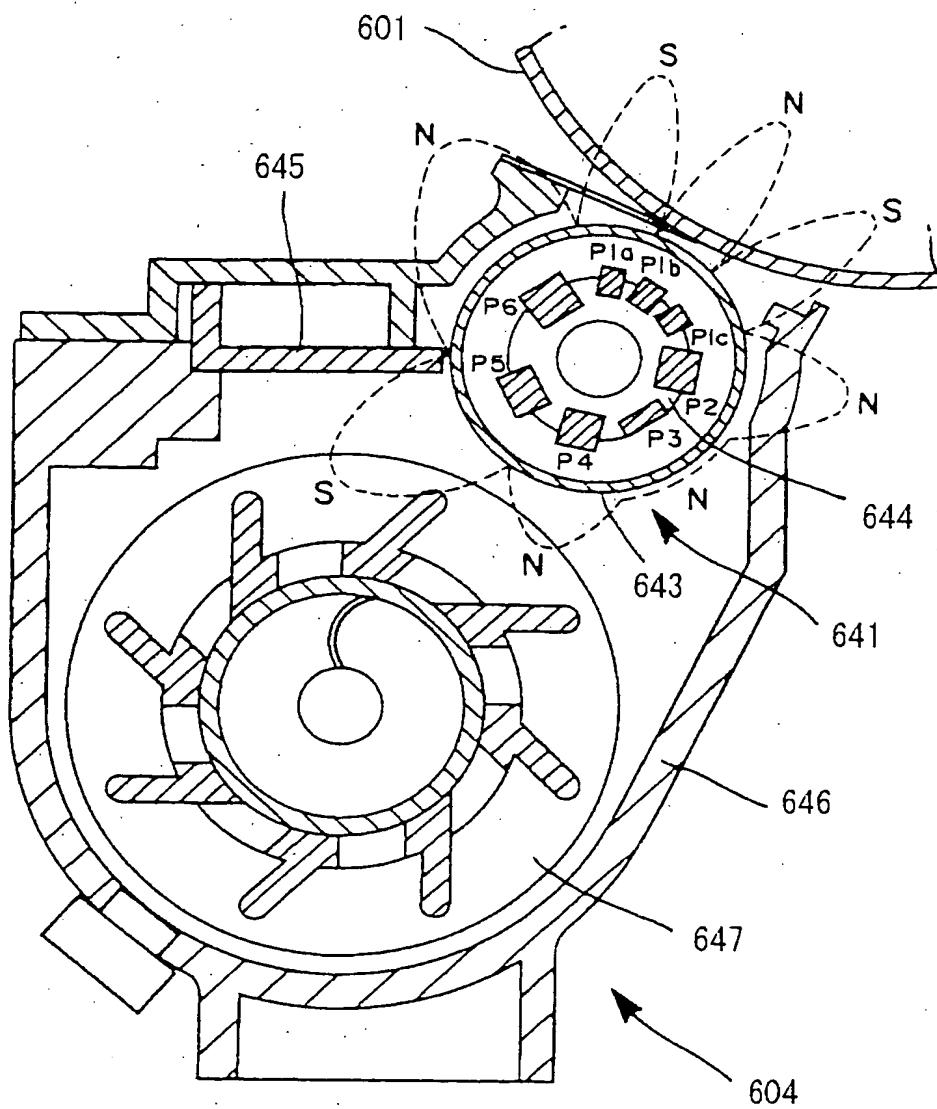


FIG. 9



0092154325 052501

FIG. 10



00214225 - 052504

FIG. 11

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No.	1	2	3	4	5	6	7	8	9	10
COPIER	MONOCHROMATIC COPIER					COLOR COPIER				
SLEEVE VELOCITY/ DRUM VELOCITY	2.5					1.3				
DRUM DIAMETER (mm)	30					60				
SLEEVE DIAMETER (mm)	16					20				
DEVELOPMENT GAP (mm)	0.4					0.4				
NIP (mm)	4	1.5	4	2	7	7	4	4	1.5	1.5
DISTANCE AT NIP BOUNDARY (mm)	0.79	0.45	0.67	0.47	0.95	0.95	0.58	0.58	0.42	0.42
BOUNDARY DISTANCE/ NIP DISTANCE	1.67	1.17	2.38	1.45	1.97	1.97	1.13	1.13	1.2	1.2
BIAS	DC -600V ONLY					※1				
OMISSION RANK	2.5	4.5	2.5	4.5	3	3	4.5	4.5	4.5	4.5
GRANULARITY RANK	2	2	2	2	3	2	4.5	2	4.5	2

※1 DC+AC, f 5kHz, DUTR 25%, OFFSET VOLTAGE -700V, PEAK VOLTAGE 800V

※2 DC -500V ONLY

FIG. 12

FREQUENCY (kHz)	GRANULARITY RANK
0	2
0.5	3
1	3.75
2	4
2.25	4
2.5	4.25
3	4.5
3.5	4.5
4	4.75
4.5	4.5
5	4.5
5.5	4.5
6	4.5
7	4.5
9	4.5

FIG. 13

DUTY (%)	GRANULARITY RANK
10	4.75
15	4.75
20	4.75
25	4.75
30	4.75
35	4.75
40	4.75
45	4.25
50	4
60	3.5

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FIG. 14

Gp [mm]	Gd [mm]	Gp/Gd	BIAS:		OMISSION RANK		GRANULARITY RANK		GRANULARITY RANK		OMISSION RANK	
			DC	500V	AC	500V	DC	500V	AC	500V	DC	500V
0.35	0.75	0.4666667	1.5		4		4		4.5		4	
0.43	0.83	0.518072	1.5		4		4		4.5		4	
0.35	0.63	0.5555556	1.5		4		4		4		4	
0.43	0.75	0.5733333	1.5		4		4		4		4	
0.5	0.83	0.60241	1.5		4		4		4		4	
0.5	0.75	0.6666667	1.5		4		4		4		4	
0.35	0.52	0.673077	1		4		4		3.5		4	
0.43	0.63	0.68254	1		4		4		3.5		4	
0.43	0.52	0.826923	1		4		4		3		4	
0.6	0.52	1.153846	1		4		4		2		4	

FIG. 15

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Gp [mm]	Gd [mm]	Gp/Gd	BIAS:		f 4.5 kHz	
			DC-500V	AC	Vpp 800V	DUTY 50%
			GRANULARITY RANK	EMISSION RANK	GRANULARITY RANK	EMISSION RANK
0.35	0.75	0.466667	1	2	3.5	2
0.35	0.64	0.546875	1	2	3.5	2
0.4	0.64	0.625	1	2	3.5	2
0.45	0.56	0.803571	1	2	3.5	2
0.5	0.56	0.892857	1	2.5	3.5	2
0.6	0.85	0.705882	1	2.75	2	2.75
0.6	0.91	0.659341	1	2.75	2	2.75

FIG. 16

Gp [mm]	ρ [g/cm^3]	Gp/ ρ	BIAIS: DC-500V	BIAS: AC		f 4.5 kHz Vpp 800V DUTY 50%
				GRANULARITY RANK	OMISSION RANK	
0.35	0.065	5.384615	1.5	4	4.5	4
0.43	0.08	5.375	1.5	4	4.5	4
0.35	0.05	7	1.5	4	4	4
0.43	0.065	6.615385	1.5	4	4	4
0.5	0.08	6.25	1.5	4	4	4
0.5	0.065	7.692308	1.5	4	4	4
0.35	0.035	10	1	4	3.5	4
0.43	0.05	8.6	1	4	3.5	4
0.43	0.036	11.94444	1	4	3	4
0.6	0.035	17.14286	1	4	2	4

FIG. 17

Gp [mm]	ρ [g/cm ³]	Gp / ρ	BIAS:		BIAS:	
			DC - 500V	AC	f 4.5 kHz Vpp 800V DUTY 50%	MISSION RANK
0.35	0.065	5.384615	1	2	3.5	2
0.35	0.05	7	1	2	3.5	2
0.4	0.05	8	1	2	3.5	2
0.45	0.04	11.25	1	2	3.5	2
0.5	0.04	12.5	1	2.5	3.5	2.5
0.6	0.076	7.894737	1	2.75	2	2.75
0.6	0.085	7.058824	1	2.75	2	2.75